



Urban District of Ilfracombe.

# ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1937.



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# Urban District of Ilfracombe.

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## **Public Health Committee.**

*Chairman :* COUNCILLOR W. SHORE.

### COUNCILLORS :

J. ARMSTRONG.

H. E. KNILL.

H. BRYANT.

W. H. ROULSTONE.

R. FAIRCHILD.

A. G. SNOW, C.C.

Mrs. H. FARNDELL.

W. E. TREBBLE and

THE CHAIRMAN OF THE COUNCIL  
(Councillor Major F. H. THOMAS, T.D., J.P.)

*Clerk of the Council :* H. G. BREDE.

---

## **Public Health Staff.**

*Medical Officer of Health and Superintendent of the Isolation Hospital :*

†† D. C. ADAM, M.B., Ch.B., D.P.H.

*Senior Sanitary Inspector, Cleansing Superintendent :*

\*† FRANK J. SAUNDERS, Cert. R. San. Inst., M.S.I.A.

Meat Inspector's Certificate, Royal Sanitary Institute.

Meat Inspector's Certificate, Liverpool University.

*Junior Assistant :* H. R. CURTIS.

*Matron of the Isolation Hospital :* Miss A. CHADWICK.

† Part time.

\* Whole time.

† Salary contribution by Exchequer grants.

HEALTH DEPARTMENT,  
COUNCIL OFFICES,  
ILFRACOMBE.

**To the Chairman and Members of the Ilfracombe Urban District Council.**

GENTLEMEN,

I beg to present my Thirteenth Annual Report which deals with the Health and Sanitary Condition of Ilfracombe Urban District for the year ending 31st December, 1937.

The Report is constructed on the lines indicated in the Memorandum issued by the Ministry of Health.

The population of the Urban District at the 1931 Census was 9,175; the Registrar-General's estimate of the population at the middle of the year was 8,328 and the Birth and Death Rates have been calculated on the latter figure.

The Birth-rate is 11.4 per 1,000, a figure slightly higher than that of the previous year.

The Death-rate of 10.68 per 1,000, is well below that for England and Wales.

The Infantile Mortality figure of 42.10 is a small one and is much below that for the country as a whole.

The number of cases of notifiable disease occurring in the district was again very small.

The standard of cleanliness of the milk supply of the district has been maintained at a satisfactory level.

I should like to compliment Mr. Saunders on the expeditious and efficient manner in which he has carried out his duties and for his assistance to myself throughout the year. I also wish to acknowledge the courtesy of Mr. A. J. Westaway in providing the data for the Meteorological Report and to thank Miss Chadwick for her work at the Isolation Hospital.

I am, Gentlemen,

Your Obedient Servant,

May, 1938.

D. C. ADAM, M.B., Ch.B., D.P.H.

# Urban District of Ilfracombe.

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## Statistical Memoranda, 1937.

|                                                                  |                                         |                                 |
|------------------------------------------------------------------|-----------------------------------------|---------------------------------|
| Situation .. .. .                                                | .. .. .                                 | Lat. 51° 13' N., Long. 4° 7' W. |
| Area (excluding Foreshore)                                       | .. .. .                                 | 5,627 acres                     |
| Elevation of Area built on                                       | .. .. .                                 | 19 feet to 744 feet             |
| Geological Formation ..                                          | Shale overlying limestone and sandstone |                                 |
| Population (Census 1931)                                         | .. .. .                                 | 9,175                           |
| Population (Registrar General's Estimate mid-year, 1937) ..      | 8,328                                   |                                 |
| Number of Inhabited Houses (end of 1937) according to Rate Books | 2,547                                   |                                 |
| Number of Families or Separate Occupiers (Census 1931) ..        | 2,327                                   |                                 |
| New Houses Certified, 1937 .. .. .                               | 20                                      |                                 |
| Rateable Value (1st April, 1937) .. .. .                         | £84,913                                 |                                 |
| Sum represented by a Penny Rate .. .. .                          | £353 16s. 1d.                           |                                 |
| Rainfall during 1937 .. .. .                                     | 951.5 m.m.                              |                                 |
| Bright Sunshine during 1937 .. .. .                              | 1548.4 hours                            |                                 |
| Births .. 95                                                     | Birth-rate ..                           | 11.4 per 1,000                  |
| Birth-rate (England and Wales) .. .. .                           | 14.9 per 1,000                          |                                 |
| Deaths .. 129                                                    | Death-rate ..                           | 15.48 per 1,000                 |
| Death-rate (corrected) .. .. .                                   | 10.68 per 1,000                         |                                 |
| Death-rate (England and Wales) .. .. .                           | 12.4 per 1,000                          |                                 |
| Tuberculosis Death-rate .. .. .                                  | 0.48 per 1,000                          |                                 |
| Infantile Mortality .. .. .                                      | 42.10 per 1,000 Births                  |                                 |
| Infantile Mortality (England and Wales) ..                       | 58 per 1,000 Births                     |                                 |

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## Natural and Social Conditions.

The many natural beauties of Ilfracombe are well known and attract a large number of visitors during the season.

Situated on the southern shore of the Bristol Channel, in sheltered valleys running back from the sea, the district obtains full benefit from the pure air of the open sea and has a good sunshine record.

The climate is very bracing yet equable with particularly mild winters. The average range of temperature is 8.9 degrees, a figure unexcelled by any other district in the country.

During the INVALIDS' WINTER, the five months, November to March, the mean temperature of 47.1 degrees is a high one and the daily range is only 8.6 degrees.

Sunshine during these months averages 2.6 hours per day, there is not an exceptionally heavy rainfall and the almost entire absence of snow and frosts testify to the mildness of the winter climate.

Ilfracombe is at all seasons particularly beneficial to invalids, convalescents, town workers and those retiring after long periods of residence in the Tropics and can be specifically recommended for cases of anæmia, neurasthenia, general debility and certain respiratory diseases.

Ilfracombe's merits as an *All the Year Round* health resort and its exceptional suitability for summer and winter residence are worthy of greater attention.

The chief occupations of the inhabitants are those connected with the catering for visitors. Industries are few and present no special dangers to public health.

Unemployment is seasonal, during the summer few persons being without employment.

Extracts from Vital Statistics for 1937.

|                 |       |       |         |                                                                   |
|-----------------|-------|-------|---------|-------------------------------------------------------------------|
| Live Births—    | Total | Males | Females |                                                                   |
| Legitimate ..   | 91    | 51    | 40      | } Birth-rate per 1,000 of the estimated resident population 11.4  |
| Illegitimate .. | 4     | 1     | 3       |                                                                   |
| Stillbirths—    |       |       |         |                                                                   |
| Legitimate ..   | 2     | —     | 2       | } Rate per 1,000 total (live and still) births .. .. 20.61        |
| Illegitimate .. | —     | —     | —       |                                                                   |
| Deaths ..       | 129   | 55    | 74      | } Death-rate per 1,000 of the estimated resident population 15.48 |
|                 |       |       |         |                                                                   |
|                 |       |       |         | Corrected death-rate 10.68                                        |

Deaths from Puerperal causes (Headings 29 and 30 of the Registrar General's Short List)—

|                               | Deaths | Rate per 1,000 total (live and still) births |
|-------------------------------|--------|----------------------------------------------|
| No. 29—Puerperal Sepsis ..    | Nil    | —                                            |
| No. 30—Other Puerperal causes | Nil    | —                                            |
| Total .. ..                   | Nil    | —                                            |

Death-rate of Infants under one year of age—

|                                                         |       |
|---------------------------------------------------------|-------|
| All Infants per 1,000 live births .. ..                 | 42.10 |
| Legitimate Infants per 1,000 legitimate live births     | 32.96 |
| Illegitimate Infants per 1,000 illegitimate live births | 250.0 |

|                                            |     |
|--------------------------------------------|-----|
| Deaths from Measles (all ages) .. ..       | 1   |
| „ „ Whooping Cough (all ages) .. ..        | Nil |
| „ „ Diarrhoea (under 2 years of age) .. .. | 1   |

# CAUSES OF DEATH DURING THE YEAR, 1937.

REGISTRAR GENERAL'S FIGURES.

| Causes of Death.                            |    |    |    |    |    |    | Males | Females |
|---------------------------------------------|----|----|----|----|----|----|-------|---------|
| All causes                                  | .. | .. | .. | .. | .. | .. | 55    | 74      |
| Typhoid and paratyphoid fever               |    |    |    | .. | .. |    | —     | —       |
| Measles                                     | .. | .. | .. | .. | .. | .. | 1     | —       |
| Scarlet fever                               | .. | .. | .. | .. | .. | .. | —     | —       |
| Whooping cough                              | .. | .. | .. | .. | .. | .. | —     | —       |
| Diphtheria                                  | .. | .. | .. | .. | .. | .. | —     | —       |
| Influenza                                   | .. | .. | .. | .. | .. | .. | 3     | 6       |
| Tuberculosis of respiratory system          |    |    |    | .. | .. |    | 2     | 1       |
| Other tuberculosis                          |    | .. | .. | .. | .. |    | 1     | —       |
| Cancer                                      | .. | .. | .. | .. | .. | .. | 8     | 13      |
| Diabetes                                    | .. | .. | .. | .. | .. | .. | 1     | 3       |
| Cerebral haemorrhage, etc.                  |    |    | .. | .. | .. |    | 1     | 2       |
| Heart disease                               | .. | .. | .. | .. | .. | .. | 21    | 28      |
| Other circulatory diseases                  | .. | .. | .. | .. | .. |    | 3     | 3       |
| Bronchitis                                  | .. | .. | .. | .. | .. | .. | —     | —       |
| Pneumonia (all forms)                       | .. | .. | .. | .. | .. |    | 3     | 3       |
| Other respiratory diseases                  | .. | .. | .. | .. | .. |    | 1     | 2       |
| Diarrhoea under 2 years                     | .. | .. | .. | .. | .. |    | —     | 1       |
| Appendicitis                                | .. | .. | .. | .. | .. |    | 1     | —       |
| Cirrhosis of liver                          | .. | .. | .. | .. | .. |    | —     | —       |
| Other liver diseases                        | .. | .. | .. | .. | .. |    | —     | 1       |
| Other digestive diseases                    | .. | .. | .. | .. | .. |    | 1     | 2       |
| Acute and chronic nephritis                 |    | .. | .. | .. | .. |    | 1     | —       |
| Puerperal sepsis                            | .. | .. | .. | .. | .. |    | —     | —       |
| Other puerperal diseases                    | .. | .. | .. | .. | .. |    | —     | —       |
| Congenital debility ; Premature birth, etc. |    |    |    | .. | .. |    | 2     | 2       |
| Senility                                    | .. | .. | .. | .. | .. | .. | 1     | 3       |
| Suicide                                     | .. | .. | .. | .. | .. | .. | —     | —       |
| Other violence                              | .. | .. | .. | .. | .. | .. | 2     | 2       |
| Other defined diseases                      | .. | .. | .. | .. | .. | .. | 2     | 2       |
| Diarrhoea 2 years and over                  |    | .. | .. | .. | .. |    | —     | —       |

The Tuberculosis Death rate was 0.48 per 1,000.

Cancer was responsible for 21 deaths, equal to a rate of 2.52 per 1,000.

Heart disease again figures as the largest individual factor in the mortality figures, however, as has been noted in former years, this is due to the cause of death in the very aged being generally attributed to some form of cardiac disability.

Death-rates in various areas are not always comparable figures as there are marked differences in the age and sex distribution of the population in different areas and in this respect the following table is noteworthy :

### Age at Death.

78 deaths were recorded of persons at 70 years and over.  
55 deaths were recorded of persons at 75 years and over.  
35 deaths were recorded of persons at 80 years and over.  
19 deaths were recorded of persons at 85 years and over.  
6 deaths were recorded of persons over 90 years of age.

### GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Detailed particulars of these services were given in the Annual Report for the year 1932; there has been no material change during the past year.

### LEGISLATION IN FORCE.

#### Local Acts, General Adoptive Acts and Bye-laws in Force.

##### LOCAL ACTS.

The Ilfracombe Improvement Act, 1900.  
The Ilfracombe Harbour and Improvement Act, 1905.  
The Ilfracombe Urban District Council Act, 1936.

##### GENERAL ADOPTIVE ACTS.

The Infectious Diseases (Prevention) Act, 1890.  
The Public Health (Amendment) Act, 1890.  
Public Health Act, 1925, Part 2.

##### BYE-LAWS.

|                            |    |    |    |    |          |
|----------------------------|----|----|----|----|----------|
| Pleasure Grounds           | .. | .. | .. | .. | 25/5/77  |
| Pleasure Boats and Vessels |    | .. | .. | .. | 21/8/88  |
| Ilfracombe Harbour         | .. | .. | .. | .. | 17/10/99 |
| Nuisances                  | .. | .. | .. | .. | 22/4/09  |
| Tents, Vans and Sheds      | .. | .. | .. | .. | 18/10/21 |
| Slaughterhouses (Public)   | .. | .. | .. | .. | 30/1/22  |
| Slaughterhouses (Private)  | .. | .. | .. | .. | 26/2/23  |
| Hackney Carriages          | .. | .. | .. | .. | 6/5/24   |
| New Streets and Buildings  | .. | .. | .. | .. | 19/9/28  |
| Markets                    | .. | .. | .. | .. | 29/11/33 |
| Camping Grounds            | .. | .. | .. | .. | 23/6/37  |

### Water Supply.

The Public Water Supply is constant; it is delivered by gravitation and is of the highest purity.

It is received by eight intakes, which are fed from a watershed of more than 3,000 acres of open moor forming part of the Forest of Exmoor.

By means of an aqueduct and pipe line the water is conveyed for a distance of 14 miles to the Ilfracombe reservoirs. It is then filtered and

stored in covered reservoirs before distribution to points as far distant as Hele on the East, and Lee, Mortehoe and Woolacombe on the West.

Owing to the fact that at times the water has a plumbo-solvent action the use of lead pipes for distributing water is forbidden.

With the exception of a few houses, principally farm buildings in the outlying parts of the district and which have their own private supplies, the whole of the population is supplied from the Council's Works directly to the houses.

By arrangement with the County Council samples are sent to the County Laboratory for chemical and bacteriological examination.

With the object of ensuring an adequate supply to the higher parts of the town and to Woolacombe during the period of the year when water consumption is at its peak, works were commenced at Hore Down during the latter part of the year.

Three routine samples were taken for routine chemical and bacteriological examination.

### Reports on the Examinations of Water Samples, 1937.

#### CHEMICAL.

| Date                                 | ... | ... | 15-4-37    | 1-6-37    | 25-11-37     |
|--------------------------------------|-----|-----|------------|-----------|--------------|
| Source                               | ... | ... | High Level | Low Level | Folley Level |
| HARDNESS—Temporary                   | ... | ... | 1.8        | 0.8       | 1.2          |
| Permanent                            | ... | ... | 4.0        | 5.6       | 5.0          |
| Total                                | ... | ... | 5.8        | 6.4       | 6.2          |
| Chlorides as Chlorine                | ... | ... | 1.4        | 2.6       | 2.3          |
| Ammonia, free and saline as nitrogen | ... | ... | Nil        | Nil       | 0.0018       |
| Ammonia, albuminoid as nitrogen      | ... | ... | .0022      | .0062     | 0.0066       |
| Nitrates, as nitrogen                | ... | ... | 0.12       | 0.16      | 0.2          |
| Nitrites, as nitrogen                | ... | ... | Nil        | Nil       | Nil          |
| Oxygen absorbed (3 hrs. at 37° C)    | ... | ... | .022       | .043      | 0.055        |
| Metals—lead, copper, zinc            | ... | ... | Absent     | Absent    | Absent       |

#### BACTERIOLOGICAL.

|                                                      |     |                       |                       |                       |
|------------------------------------------------------|-----|-----------------------|-----------------------|-----------------------|
| Total organisms growing on agar<br>(2 days at 37° C) | ... | 12 per c.c.           | 8 per c.c.            | 6 per c.c.            |
| Total organisms growing on agar<br>(3 days at 20° C) | ... | 140 per c.c.          | 25 per c.c.           | 48 per c.c.           |
| Bacillus Coli                                        | ... | Absent in<br>100 c.c. | Absent in<br>100 c.c. | Present in<br>10 c.c. |

**Drainage and Sewerage.** The sewers are modern, well equipped and in good condition. The outfalls discharge into the tide-way of the Bristol Channel at points a considerable distance below low-water mark.

A separate system is provided for the Hele district.

No important extension of the sewer was carried out during 1937.

**Closet Accommodation.** All houses in the town area are provided with water closets and flushing cisterns; in the rural part of the district most of the houses have water closets connected to septic tanks or cesspools, a few have earth closets with moveable receptacles, and a very small number of isolated houses have privies, these, whenever practicable are being abolished and replaced by water closets connected to septic tank systems.

**Rivers and Streams.** No serious pollution occurred during the year.

## PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The following Infectious Diseases are compulsorily notifiable in this district :—

|                                          |                               |
|------------------------------------------|-------------------------------|
| Small Pox                                | Cholera                       |
| Diphtheria                               | Membranous Croup              |
| Scarlatina                               | Scarlet Fever                 |
| Erysipelas                               | Typhus Fever                  |
| Typhoid Fever                            | Enteric Fever                 |
| Relapsing Fever                          | Malaria                       |
| Pneumonia (Acute Primary and             | Acute Influenzal)             |
| Acute Polio-encephalitis                 | Acute Encephalitis Lethargica |
| Cerebro-spinal Fever                     | Acute Poliomyelitis           |
| Dysentery                                | Ophthalmia Neonatorum         |
| Puerperal Pyrexia                        | Plague                        |
| Tuberculosis (Pulmonary and other forms) |                               |

### NOTIFIABLE DISEASES (Other than Tuberculosis) during the year, 1937.

| Disease                               | Total Cases Notified | Cases admitted to Hospital | Total Deaths |
|---------------------------------------|----------------------|----------------------------|--------------|
| Scarlet Fever .. .. .                 | 1                    | 1                          | —            |
| Diphtheria .. .. .                    | —                    | —                          | —            |
| Enteric Fever (including Paratyphoid) | —                    | —                          | —            |
| Puerperal Pyrexia .. .. .             | —                    | —                          | —            |
| Pneumonia .. .. .                     | 13                   | —                          | 6            |
| Erysipelas .. .. .                    | —                    | —                          | —            |
| Other diseases generally notifiable   | —                    | —                          | —            |
| Other diseases notifiable locally ..  | —                    | —                          | —            |
| Total ..                              | 14                   | 1                          | 6            |

## AGE GROUP ANALYSIS OF CASES NOTIFIED.

| Age Group         |     | Scarlet<br>Fever | Diphtheria | Enteric<br>(including<br>Paratyphoid) | Puerperal<br>Pyrexia | Pneumonia |
|-------------------|-----|------------------|------------|---------------------------------------|----------------------|-----------|
| Under 1 year      | ... | —                | —          | —                                     | —                    | —         |
| 1 to 2 years      | ... | —                | —          | —                                     | —                    | —         |
| 2 to 3 years      | ... | —                | —          | —                                     | —                    | —         |
| 3 to 4 years      | ... | —                | —          | —                                     | —                    | —         |
| 4 to 5 years      | ... | —                | —          | —                                     | —                    | 1         |
| 5 to 10 years     | ... | —                | —          | —                                     | —                    | 1         |
| 10 to 15 years    | ... | 1                | —          | —                                     | —                    | —         |
| 15 to 20 years    | ... | —                | —          | —                                     | —                    | 2         |
| 20 to 35 years    | ... | —                | —          | —                                     | —                    | 4         |
| 35 to 45 years    | ... | —                | —          | —                                     | —                    | 2         |
| 45 to 65 years    | ... | —                | —          | —                                     | —                    | 1         |
| 65 years and over |     | —                | —          | —                                     | —                    | 2         |
| TOTAL             | ... | 1                | —          | —                                     | —                    | 13        |

### Tuberculosis.

New Cases and Mortality during 1937.

| Age Periods    | New Cases   |         |                 |         | Deaths      |         |                 |         |
|----------------|-------------|---------|-----------------|---------|-------------|---------|-----------------|---------|
|                | Respiratory |         | Non Respiratory |         | Respiratory |         | Non Respiratory |         |
|                | Males       | Females | Males           | Females | Males       | Females | Males           | Females |
| Under 1 year   | —           | —       | —               | —       | —           | —       | —               | —       |
| 1 to 5 years   | —           | —       | —               | —       | —           | —       | —               | —       |
| 5 to 10 years  | —           | —       | —               | —       | —           | —       | —               | —       |
| 10 to 15 years | —           | —       | —               | —       | —           | —       | —               | —       |
| 15 to 20 years | —           | —       | —               | —       | —           | —       | —               | —       |
| 20 to 25 years | —           | —       | —               | —       | —           | 1       | —               | —       |
| 25 to 35 years | —           | 1       | —               | 1       | 1           | —       | —               | —       |
| 35 to 45 years | 1           | —       | —               | —       | —           | —       | —               | —       |
| 45 to 55 years | —           | —       | —               | —       | 1           | —       | 1               | —       |
| 55 to 65 years | —           | 1       | —               | —       | —           | —       | —               | —       |
| 65 & upwards   | —           | —       | 1               | —       | —           | —       | —               | —       |
| TOTALS         | 1           | 2       | 1               | 1       | 2           | 1       | 1               | —       |

The tuberculosis death-rate is the lowest for 12 years. There were no non-notified deaths.

**Ambulance Facilities.** A motor ambulance is maintained by the Local Authority for the conveyance of infectious disease and street accident cases; no ambulance facilities are provided for ordinary cases but the Council allow the use of its motor ambulance at the patient's charge.

**Disinfection of Rooms and Articles.** 42 rooms were disinfected as follows—Scarlet Fever, 2 rooms; Tuberculosis, 10 rooms; Cancer, 23 rooms; Vermin, 6 rooms.

1,010 articles were disinfected.

**Verminous Persons.** No special facilities are provided in the district for the cleansing and disinfecting of verminous persons.

Premises are disinfected and articles which have been exposed to infection are dealt with at the Isolation Hospital disinfecting station.

Arrangements have been made for the treatment of Scabies at the Isolation Hospital in cases where this cannot be satisfactorily carried out at home.

**Food Poisoning.** The Ilfracombe Urban District Council Act, 1936, Section 159, made it compulsory in this district for medical practitioners attending a case or suspected case of food poisoning to notify the case to the Medical Officer of Health.

No cases have been notified since the Act became operative.

**Nutrition.** No instructional work in connection with nutrition has been carried out.

There is no evidence of malnutrition amongst the population.

**Swimming Baths and Pools.** The covered sea water swimming bath situated on the New Parade is owned by the Urban District Council.

The swimming bath is 33 feet wide, 122 feet long, and holds 140,000 gallons of water. Modern plant is in use so that the whole of the water is filtered, heated and chlorinated about every four hours, a temperature of approximately 72 degrees Fahrenheit being maintained.

The efficiency of the purification methods in use is tested periodically by bacteriological examination.

There is one privately owned sea water swimming pool, this is situated on an open beach below high water mark so that the water is renewed every tide.



# ANNUAL REPORT

## OF THE

# SANITARY INSPECTOR

---

**Complaints.** 130 complaints were received and investigated and the necessary action was taken to obtain the abatement of any alleged nuisances which came within the scope of the Public Health Acts.

**Notices Served.** 182 notices were served during the year as follows : Statutory (under Public Health Acts), 14 ; Statutory (under Local Acts), 5 ; Informal, 107 ; Verbal, 56—and in addition, 744 letters and circulars were sent out in reference to the following :—Milk Supply, 388 ; Nuisances, 80 ; Food, 40 ; Infectious Disease, 16 ; Petroleum Acts, 108 ; Miscellaneous, 112.

### SUMMARY OF SANITARY DEFECTS REMEDIED.

|                                                          |    |
|----------------------------------------------------------|----|
| House roofs repaired and made watertight .. .. .         | 8  |
| Eaves, gutters and downpipes repaired or renewed .. .. . | 30 |
| Damp walls remedied .. .. .                              | 14 |
| External plastering repaired .. .. .                     | 6  |
| Chimney stacks repaired, rebuilt or repointed .. .. .    | 2  |
| Kitchen stoves repaired .. .. .                          | 2  |
| Windows made to open .. .. .                             | 2  |
| Window frames repaired .. .. .                           | 11 |
| New windows provided .. .. .                             | 2  |
| Through ventilation provided .. .. .                     | 1  |
| Dilapidated plaster walls repaired .. .. .               | 8  |
| Ceilings repaired and made good .. .. .                  | 16 |
| Floors repaired and made good .. .. .                    | 7  |
| Walls repaired or rebuilt .. .. .                        | 2  |
| Yards repaired .. .. .                                   | 13 |
| Accumulations of manure removed .. .. .                  | 2  |
| Accumulations of refuse removed .. .. .                  | 30 |
| New dustbins provided .. .. .                            | 43 |
| Doors repaired .. .. .                                   | 3  |
| Houses cleansed .. .. .                                  | 4  |
| Yards cleansed .. .. .                                   | 2  |
| Other defects remedied .. .. .                           | 5  |

### Sanitary Accommodation.

|                                                      |    |    |    |    |    |
|------------------------------------------------------|----|----|----|----|----|
| New water closets provided                           | .. | .. | .. | .. | 2  |
| Defective water closet basins replaced               | .. | .. | .. | .. | 6  |
| Defective water closet cisterns repaired or replaced | .. | .. | .. | .. | 15 |
| Water closet seats repaired                          | .. | .. | .. | .. | 5  |
| Water closet roofs repaired and made watertight      | .. | .. | .. | .. | 7  |
| Water closet walls repaired                          | .. | .. | .. | .. | 6  |
| Water closet windows repaired                        | .. | .. | .. | .. | 1  |
| Water closets cleansed                               | .. | .. | .. | .. | 8  |
| Water Supply to water closet provided                | .. | .. | .. | .. | 1  |

### Drainage.

|                                                                       |    |    |    |    |    |
|-----------------------------------------------------------------------|----|----|----|----|----|
| Drains relaid or repaired                                             | .. | .. | .. | .. | 12 |
| Drains cleared                                                        | .. | .. | .. | .. | 18 |
| Insanitary iron gullies removed and glazed stoneware gullies provided | .. | .. | .. | .. | 17 |
| Inspection chambers repaired                                          | .. | .. | .. | .. | 6  |
| Waste pipes repaired or renewed                                       | .. | .. | .. | .. | 4  |
| New inspection chambers provided                                      | .. | .. | .. | .. | 2  |
| New sinks provided                                                    | .. | .. | .. | .. | 6  |
| Soil and ventilating pipes repaired                                   | .. | .. | .. | .. | 10 |

### Factories and Workshops.

|                             |    |    |    |    |   |
|-----------------------------|----|----|----|----|---|
| Ceilings cleansed           | .. | .. | .. | .. | 2 |
| Walls cleansed              | .. | .. | .. | .. | 8 |
| Water closet pans cleansed  | .. | .. | .. | .. | 2 |
| Water closet seats cleansed | .. | .. | .. | .. | 2 |
| Water closet seats repaired | .. | .. | .. | .. | 1 |
| Water closet walls cleansed | .. | .. | .. | .. | 3 |

### Shops' Act.

|                                 |    |    |    |    |   |
|---------------------------------|----|----|----|----|---|
| Heating improved                | .. | .. | .. | .. | 9 |
| Sanitary accommodation provided | .. | .. | .. | .. | 5 |
| Ventilation improved            | .. | .. | .. | .. | 2 |

## Factories, Workshops and Workplaces.

### INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES

(Inspections made by Sanitary Inspector).

| Premises<br>(1)                                | Number of<br>Inspections<br>(2) | Number of<br>Written Notices<br>(3) | Occupiers<br>Prosecuted<br>(4) |
|------------------------------------------------|---------------------------------|-------------------------------------|--------------------------------|
| FACTORIES<br>(including Factory Laundries)     | 39                              | .. 1                                | .. —                           |
| WORKSHOPS<br>(including Workshop Laundries)    | 110                             | .. 1                                | .. —                           |
| WORKPLACES<br>(other than Outworkers Premises) | 17                              | .. —                                | .. —                           |
| Total                                          | .. 166                          | .. 2                                | .. —                           |

## DEFECTS FOUND IN FACTORIES, WORKSHOPS & WORKPLACES

| Particulars<br>(1)                                                                                                                                                                                     | Number of Defects<br>Found<br>(2) |    | Remedied<br>(3) |    | Referred<br>H.M. Inspector<br>(4) |    | Number of<br>Prosecutions<br>(5) |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----|-----------------|----|-----------------------------------|----|----------------------------------|--|
| Nuisances under the Public Health Acts :                                                                                                                                                               |                                   |    |                 |    |                                   |    |                                  |  |
| Want of cleanliness ..                                                                                                                                                                                 | 17                                | .. | 17              | .. | —                                 | .. | —                                |  |
| Want of ventilation ..                                                                                                                                                                                 | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Overcrowding .. ..                                                                                                                                                                                     | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Want of drainage of floors                                                                                                                                                                             | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Other nuisances .. ..                                                                                                                                                                                  | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Sanitary Accommodation :                                                                                                                                                                               |                                   |    |                 |    |                                   |    |                                  |  |
| Insufficient .. ..                                                                                                                                                                                     | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Unsuitable or defective ..                                                                                                                                                                             | 1                                 | .. | 1               | .. | —                                 | .. | —                                |  |
| Not separate for sexes ..                                                                                                                                                                              | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Offences under the Factory and Workshops Acts :                                                                                                                                                        |                                   |    |                 |    |                                   |    |                                  |  |
| Illegal occupation of under-ground bakehouses (S101)                                                                                                                                                   | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Other offences (excluding offences relating to outwork and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921) : |                                   |    |                 |    |                                   |    |                                  |  |
|                                                                                                                                                                                                        | —                                 | .. | —               | .. | —                                 | .. | —                                |  |
| Total ..                                                                                                                                                                                               | 18                                | .. | 18              | .. | —                                 | .. | —                                |  |

**Schools.** The schools in the district are periodically inspected. All are supplied with water from the public mains and sanitary conveniences are available for teachers and scholars.

**Smoke Abatement.** Ilfracombe is essentially a health resort and residential area, there are few works or factories in this district.

17 observations, each of 30 minutes' duration, were taken of chimneys. No serious nuisance arising from smoke was observed.

**Animal and Insect Pests.** Devon County Council are the Authority responsible for the administration of the Rats and Mice Destruction Act.

Complaints respecting infestation are from time to time received, these are investigated and appropriate advice is given.

At the Council's refuse tip, poison baits are regularly laid and on suitable occasions dogs are used.

### **Eradication of Bed Bugs.**

- (1) Houses found to be infested :—  
Council houses, Nil ; Other houses, 2.  
Both were disinfested.
- (2) The woodwork is loosed from the walls and the walls and premises thoroughly sprayed with insecticide.
- (3) Arrangements have been made for disinfesting when necessary the belongings of persons removing to Council houses.
- (4) The work of disinfestation is carried out by the Council's employees.

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## **Housing.**

As a result of action taken under the Housing Acts, one house, number 5, The Strand, has been demolished.

At the end of the year a Demolition Order was in operation with reference to one house, number 12, Fore Street.

### **Housing Statistics.**

The number of new houses erected during the year was 20, none were erected by the local authority.

#### **1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR.**

- |     |     |                                                                                                                                                             |        |       |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|
| (1) | (a) | Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)                                                         | ...    | 325   |
|     | (b) | Number of inspections made for the purpose                                                                                                                  | ...    | 1,509 |
| (2) | (a) | Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925            | ...    | 52    |
|     | (b) | Number of inspections made for the purpose                                                                                                                  | ...    | 152   |
| (3) |     | Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation                                    | ... .. | 1     |
| (4) |     | Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation | ...    | 112   |

#### **2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.**

|                                                                                                                             |     |     |     |     |     |     |     |
|-----------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers | ... | ... | ... | ... | ... | ... | 101 |
|-----------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|

### 3. ACTION UNDER STATUTORY POWERS DURING THE YEAR.

#### A. *Proceedings under sections 9, 10 and 16 of the Housing Act, 1936.*

|                                                                                         |     |     |     |   |
|-----------------------------------------------------------------------------------------|-----|-----|-----|---|
| (1) Number of dwelling-houses in respect of which notices were served requiring repairs | ... | ... | ... | 0 |
| (2) Number of dwelling-houses which were rendered fit after service of formal notices : |     |     |     |   |
| (a) By owners                                                                           | ... | ... | ... | 0 |
| (b) By Local Authority in default of owners                                             |     |     | ... | 0 |

#### B. *Proceedings under Public Health Acts.*

|                                                                                                        |     |     |
|--------------------------------------------------------------------------------------------------------|-----|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | ... | 112 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :         |     |     |
| (a) By owners                                                                                          | ... | 15  |
| (b) By Local Authority in default of owners                                                            | ... | 0   |

#### C. *Proceedings under sections 11 and 13 of the Housing Act, 1936.*

|                                                                               |     |     |     |   |
|-------------------------------------------------------------------------------|-----|-----|-----|---|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | ... | ... | ... | 0 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders    | ... | ... | ... | 1 |

#### D. *Proceedings under section 12 of the Housing Act, 1936.*

|                                                                                                                                                         |     |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made                                                      | ... | 0 |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | ... | 0 |

### 4. HOUSING ACT, 1936 :—OVERCROWDING.

|     |     |                                                          |    |
|-----|-----|----------------------------------------------------------|----|
| (a) | (1) | Number of dwellings overcrowded at end of the year       | 2  |
|     | (2) | Number of families dwelling therein                      | 2  |
|     | (3) | Number of persons dwelling therein                       | 17 |
| (b) |     | Number of new cases of overcrowding reported during year | 6  |
| (c) | (1) | Number of cases of overcrowding relieved during year     | 13 |
|     | (2) | Number of persons concerned in such cases                | 84 |

**Camping Grounds.** 21 different sites are known to be at times used as camping grounds, but most of the camping takes place on only 7 of these sites, the others not being very largely used. The number of inspections during 1937 was 79, sanitary conveniences and a water supply were available for each camping ground which was in use.

No serious nuisance occurred during the year although the number of campers was probably greater than during the past few years.

**Beaches and Pleasure Grounds.** Throughout the year but more frequently during the season, inspections are made to ensure that beaches and pleasure grounds are maintained in a clean condition. From time to time quantities of seaweed are washed up on the beaches, this has been regularly cleared and has been used on gardens and allotments as a fertiliser.

The Council have provided litter receptacles on the larger beaches and the pleasure grounds, by making full use of these receptacles the public can assist in keeping the town clean.

The Council have decided to erect public conveniences at Hele but the selection of a suitable site has caused delay. No public sanitary convenience is provided at Lee and this question is now receiving the Council's consideration.

## Inspection and Supervision of Food.

### MILK SUPPLY.

All dairy farms were visited and the dairies and cowsheds inspected, so far as practicable the visits being made at milking time so that faulty technique could be noted and corrected.

Dairies are generally maintained in a clean condition although it is found that there is a tendency to use them as larders, for the storage of other foods as well as milk.

Carelessness in the grooming of cows, the washing of udders and milking stools are the most common causes for complaint and several farmers have been cautioned for this neglect.

Work carried out under the Milk and Dairies Order during 1937 included :—

142 inspections of farms.  
170 inspections of cowsheds.  
219 inspections of dairies  
270 inspections of dairymen's vehicles.  
205 samples of milk obtained

### Dairies, Cowsheds and Milkshops.

Premises within the Urban District :

|                                                  |        |    |
|--------------------------------------------------|--------|----|
| Cowkeepers on Register (31st December, 1937)     | ...    | 47 |
| Registered as Producer Retailers                 | ... .. | 29 |
| Registered as Producer Wholesalers               | ... .. | 12 |
| Registered as Producer Retailers and Wholesalers | ...    | 6  |
| Retailers with dairy only,—non-producers         | ... .. | 26 |

Persons who sell milk within the Urban District but whose premises are situated outside the district :

|                                                  |     |     |    |
|--------------------------------------------------|-----|-----|----|
| Registered as Producer Retailers                 | ... | ... | 18 |
| Registered as Producer Wholesalers               | ... | ... | 41 |
| Registered as Producer Retailers and Wholesalers |     |     | 5  |

In addition to the above, 35 persons who retail cream only in the Ilfracombe Market are registered.

**Milk (Special Designations) Order, 1936.** There are no licensed producers or retailers of graded milk in the district.

**Bacteriological Examination of Milk.** Samples of milk for bacteriological examination are forwarded to the Devon County Laboratory at Exeter.

The samples are taken from the churns when the milk is in the ordinary course of delivery to the consumer or to retailers.

In all cases a copy of the bacteriologist's report is sent to the retailer from whom the sample was taken, and in those cases in which the retailer is not the producer, a further copy is sent to the producer.

From the early part of the year the Methylene Blue Reduction Test was in use for ascertaining the cleanliness of milk samples.

This test is considered to be more efficient and certainly requires a higher standard of cleanliness in milk production than was essential to obtain the highest results under the former tests of bacillus coli and bacterial count.

Under the old method, samples were packed in ice to keep them cool during transit to the laboratory and the milk was tested when about 8 hours old.

The present method requires that if the milk is from a morning's milking it must be kept at atmospheric temperature until 6 p.m. on the day of production before being tested and if from an evening's milking then the milk must be kept at atmospheric temperature until 10 a.m. on the following day before being tested.

This longer period before testing and the prohibition of packing in ice allows the bacterial content to increase very considerably.

No legal standard of cleanliness is laid down for ordinary milk, the only standards applicable to raw milk being those specified for "Tuberculin Tested" and "Accredited Milks" and the report as to whether a sample has "passed" or "failed" is based on these standards.

The total number of samples examined for cleanliness was 205, of these 111 "passed" and 94 "failed."

A summary of the examinations made and their results is shown in the following table.

| Tests carried out              | Number examined |        |                | Tests on which samples failed |       |                         |                          |                |                                |    |  |
|--------------------------------|-----------------|--------|----------------|-------------------------------|-------|-------------------------|--------------------------|----------------|--------------------------------|----|--|
|                                | Results         |        | Methylene Blue | Coli                          | Count | Methylene Blue and Coli | Methylene Blue and Count | Coli and Count | Methylene Blue, Coli and Count |    |  |
|                                | Passed          | Failed |                |                               |       |                         |                          |                |                                |    |  |
| Methylene Blue only ...        | 115             | 66     | 49             | 49                            |       |                         |                          |                |                                |    |  |
| Methylene Blue and Coli ...    | 20              | 17     | 3              | 1                             | 1     |                         | 1                        |                |                                |    |  |
| Methylene Blue, Coli and Count | 64              | 23     | 41             | 5                             | 8     |                         | 8                        |                | 2                              | 18 |  |
| Coli and Count ...             | 6               | 5      | 1              |                               | 1     |                         |                          |                |                                |    |  |
| TOTALS ...                     | 205             | 111    | 94             | 55                            | 9     | 1                       | 9                        | —              | 2                              | 18 |  |

**Tuberculosis Examination of Milk samples.** 48 samples taken from bulk supplies of milk were obtained and forwarded to the County Bacteriologist to be examined for the presence of tubercle bacilli by means of guinea pig inoculation.

41 samples gave negative results and 7 owing to the premature death of the guinea pig were reported as inconclusive.

## Meat and Other Foods.

Premises where food is handled are visited frequently and close supervision is maintained over the food exposed for sale in shops, the markets or from hawkers' vehicles.

The greater portion of the meat sold is from animals slaughtered within the district but during the season most of the purveyors purchase hind quarters of beef and legs of mutton from wholesalers whose premises are outside the area, in addition, carcasses of pigs which have been slaughtered on farms in the rural district are frequently brought into Ilfracombe.

Every effort is made to inspect all meat including that which is brought in ready dressed and a number of the butchers make a practice of notifying when such meat is being received. On seven occasions disease was found in meat which had been slaughtered outside the Urban District.

The number of animals slaughtered at the Public Abattoir during 1937 was 279 cattle, 2,325 sheep, 454 pigs, and 21 calves; the number slaughtered in private slaughterhouses was 370 cattle, 2,743 sheep, 649 pigs, 117 calves, about 50 per cent of these were examined ante-mortem.

During 1937, the following inspections were made in connection with the supervision of the food supply:—

|                                  |     |     |     |
|----------------------------------|-----|-----|-----|
| Slaughterhouses                  | ... | ... | 916 |
| Food Purveyors' Shops            | ... | ... | 595 |
| Markets                          | ... | ... | 64  |
| Bakehouses                       | ... | ... | 39  |
| Food Hawkers' Vehicles           | ... | ... | 110 |
| Meat Carriers' Vehicles          | ... | ... | 154 |
| Preserved Meat Dealers' Premises |     |     | 64  |
| Ice Cream Dealers' Premises      |     |     | 66  |
| Cafés and Hotels                 | ... | ... | 57  |
| Other Food Premises              | ... | ... | 91  |

**Slaughterhouses.** The Public Abattoir, reconstructed in 1929, is a modern building, well equipped and situated in a convenient position near to the Slade Road.

The accommodation available is ample for the requirements of the area.

Three private slaughterhouses are still in use; these are situated near the centre of the town and in close proximity to dwelling houses where their presence is most undesirable.

## CARCASSES INSPECTED AND CONDEMNED.

|                                                                                            | Cattle,<br>excluding<br>Cows | Cows | Calves | Sheep and<br>Lambs | Pigs  |
|--------------------------------------------------------------------------------------------|------------------------------|------|--------|--------------------|-------|
| Number killed ... .                                                                        | 649                          |      | 138    | 5,068              | 1,103 |
| Number inspected ... .                                                                     | 640                          |      | 146    | 5,087              | 1,139 |
| <b>All Diseases except Tuberculosis</b>                                                    |                              |      |        |                    |       |
| Whole carcasses condemned                                                                  | 0                            | 0    | 2      | 14                 | 0     |
| Carcasses of which some part<br>or organ was condemned ...                                 | 69                           | 7    | 0      | 132                | 10    |
| Percentage of the number<br>inspected affected with disease<br>other than tuberculosis ... | 11.87                        |      | 1.37   | 2.87               | 0.87  |
| <b>Tuberculosis only</b>                                                                   |                              |      |        |                    |       |
| Whole carcasses condemned                                                                  | 4                            | 0    | 0      | 0                  | 0     |
| Carcasses of which some part<br>or organ was condemned ...                                 | 12                           | 3    | 1      | 0                  | 132   |
| Percentage of the number<br>inspected affected with tuber-<br>culosis ... .                | 2.97                         |      | 0.68   | —                  | 11.58 |

### Animals inspected and found to show evidence of disease or unsoundness

TABLE I.—Cases in which whole carcase and organs destroyed.

| Disease or Condition | Cattle ex-<br>cluding Cows | Cows | Calves | Sheep or<br>Lambs | Pigs |
|----------------------|----------------------------|------|--------|-------------------|------|
| Tuberculosis ..      | 4                          | —    | —      | —                 | —    |
| Emaciation ..        | —                          | —    | —      | 1                 | —    |
| Enteritis ..         | —                          | —    | 1      | —                 | —    |
| Gangrene ..          | —                          | —    | —      | 1                 | —    |
| Jaundice ..          | —                          | —    | —      | —                 | 1    |
| Mastitis (Septic) .. | —                          | —    | —      | 1                 | —    |
| Moribund ..          | —                          | —    | —      | 3                 | —    |
| Nephritis ..         | —                          | —    | —      | 3                 | —    |
| Oedema ..            | —                          | —    | 1      | 3                 | —    |
| Parturient Fever ..  | —                          | —    | —      | 2                 | —    |
| Pyrexia ..           | —                          | —    | —      | 1                 | —    |
| Septicaemia ..       | 1                          | —    | —      | —                 | —    |
| Total ..             | 5                          | —    | 2      | 15                | 1    |

TABLE 2.—*Cases in which Parts of Carcase and Organs Destroyed.*

| Disease or Condition | Cattle ex-<br>cluding Cows | Cows | Calves | Sheep or<br>Lambs | Pigs |
|----------------------|----------------------------|------|--------|-------------------|------|
| Tuberculosis ..      | 12                         | 3    | 1      | —                 | 132  |
| Abscesses ..         | 2                          | —    | —      | 2                 | —    |
| Actinomycosis ..     | 1                          | —    | —      | —                 | —    |
| Bacterial Necrosis   | 1                          | —    | —      | —                 | —    |
| Cirrhosis ..         | —                          | —    | —      | —                 | 1    |
| Decomposition ..     | 2                          | —    | —      | 51                | —    |
| Distomatosis ..      | 53                         | 7    | —      | 66                | —    |
| Echinococcus ..      | —                          | —    | —      | —                 | 3    |
| Pericarditis ..      | —                          | —    | —      | —                 | 1    |
| Peritonitis ..       | 1                          | —    | —      | —                 | —    |
| Pleurisy ..          | 9                          | —    | —      | 10                | 4    |
| Pneumonia ..         | —                          | —    | —      | —                 | 1    |
| Traumatism ..        | —                          | —    | —      | 3                 | —    |
| Total ..             | 81                         | 10   | 1      | 132               | 142  |

**Number of organs destroyed for Tuberculosis and other conditions  
in different classes of animals during 1937.**

|                         | Cattle ex-<br>cluding Cows | Cows | Calves | Sheep or<br>Lambs | Pigs | Total |
|-------------------------|----------------------------|------|--------|-------------------|------|-------|
| LUNGS : Tuberculosis    | 9                          | 3    | 1      | —                 | 8    | 21    |
| Other conditions        | 20                         | —    | —      | 14                | 7    | 41    |
| HEARTS : Tuberculosis   | 2                          | —    | 1      | —                 | 6    | 9     |
| Other conditions        | 1                          | —    | —      | 9                 | 5    | 15    |
| BOWELS : Tuberculosis   | 2                          | —    | —      | —                 | 10   | 12    |
| Other conditions        | 1                          | —    | —      | 1                 | —    | 2     |
| STOMACHS : Tuberculosis | 2                          | —    | —      | —                 | 5    | 7     |
| Other conditions        | —                          | —    | —      | —                 | —    | —     |
| SPLEENS : Tuberculosis  | 2                          | —    | —      | —                 | 5    | 7     |
| Other conditions        | —                          | —    | —      | —                 | —    | —     |
| LIVERS : Tuberculosis   | 3                          | 1    | 1      | —                 | 6    | 11    |
| Other conditions        | 62                         | 7    | —      | 77                | 10   | 156   |
| HEADS : Tuberculosis    | 5                          | —    | —      | —                 | 128  | 133   |
| Other conditions        | 2                          | —    | —      | 10                | —    | 12    |

**Unsound Food.**

Weight of Unsound Meat and Offals destroyed during 1937 :

|                   | Tuberculosis | Other Diseases and Conditions | Total  |
|-------------------|--------------|-------------------------------|--------|
| Beef ... ..       | 3,065        | 191                           | 3,256  |
| Beef Offals ...   | 968          | 1,198                         | 2,166  |
| Pork ... ..       | 2,712        | 158                           | 2,870  |
| Pork Offals ...   | 121          | 68                            | 189    |
| Mutton ... ..     | —            | 1,237                         | 1,237  |
| Mutton Offals ... | —            | 412                           | 412    |
| Total ... ..      | 6,866        | 3,264                         | 10,130 |

Of the total amount of Meat and Offals, 4,904 lbs. was surrendered after examination at the Public Abattoir, the remaining 5,226 lbs. being surrendered after examination either in Private Slaughterhouses or in shops

### Other Unsound Foods Destroyed.

|                |    |           |               |    |            |
|----------------|----|-----------|---------------|----|------------|
| Apples         | .. | 2 tins    | Beetroot      | .. | 1 tin      |
| Apricots       | .. | 10 „      | Pickles       | .. | 4 bottles  |
| Blackberries   | .. | 3 „       | Sauce         | .. | 9 „        |
| Black currants | .. | 1 tin     | Fruit Syrup   | .. | 5 tins     |
| Cherries       | .. | 3 tins    | Soups         | .. | 15 „       |
| Damsons        | .. | 3 „       | „             | .. | 15 packets |
| Fruit Salad    | .. | 1 tin     | Condiments    | .. | 4 tins     |
| Grapes         | .. | 18 tins   | Biscuits      | .. | 1 tin      |
| Grape fruit    | .. | 5 „       | Cake mixtures | .. | 7 packets  |
| Oranges        | .. | 3 „       | Cereals       | .. | 8 „        |
| Peaches        | .. | 9 „       | Milk          | .. | 3 tins     |
| Pears          | .. | 1 tin     | Corned Beef   | .. | 5 „        |
| Pineapples     | .. | 9 tins    | Ham           | .. | 8 „        |
| Plums          | .. | 12 „      | Meat Pastes   | .. | 7 jars     |
| „              | .. | 2 bottles | Tongue        | .. | 5 tins     |
| Raspberries    | .. | 10 tins   | Salmon        | .. | 5 „        |
| „              | .. | 1 bottle  | Sardines      | .. | 3 „        |
| Tomatoes       | .. | 5 tins    | Sturgeon      | .. | 1 tin      |
| Jam            | .. | 4 jars    | Hake          | .. | 28 lbs.    |
| Jellies        | .. | 6 packets | Chicken       | .. | 57         |
| Asparagus      | .. | 1 tin     | Rabbits       | .. | 3          |
| Beans          | .. | 10 tins   |               |    |            |

The total weight of the above amounted to 6 cwts., 11½ lbs.

**The Slaughter of Animals Act, 1933** In accordance with this Act all animals slaughtered in the slaughterhouses are stunned by a mechanically operated instrument and slaughtermen are required to obtain a licence.

During the year, 28 licences were granted.

**Markets.** 64 visits were paid to the Markets and inspections were made of the stalls and the food exposed for sale.

The stall-holders are mostly market gardeners and small farmers who bring in their own produce which usually consists of fruit, vegetables and dairy produce.

The use of some form of protection for cream is insisted on and several of the stall-holders are using glass display cases but others only use paper covers and it is frequently necessary to warn persons for neglecting to use the covers.

The stalls are of various types, some being raised on trestles but others are in box form; a uniform type of stall raised from the floor would greatly facilitate cleansing of the market and would also afford more accommodation.

**Bakehouses.** There are eight bakehouses on the Register, seven of these have power driven machinery and are therefore factory bakehouses, the other is a workshop bakehouse.

39 inspections were made of the different premises.

### **Ice Cream and Preserved Foods.**

In accordance with Section 147 of the Ilfracombe Urban District Council Act, 1936, all persons manufacturing preserved meat, fish or other foods and all persons manufacturing or selling ice cream must be registered with the Council and all premises used for the preparation, manufacture or storage of preserved foods or the manufacture or sale of ice cream must also be registered.

Up to the end of the year there were 55 registrations in respect of preserved meat and 48 with reference to ice cream.

Visits paid to premises where preserved meat was handled numbered 64.

Premises used for the preparation or sale of ice cream were inspected on 66 occasions.

Greater care is now being taken in the handling of ice cream and the general condition of premises and utensils shows improvement.

**Shops' Act, 1934.** The Welfare clauses of this Act are administered by the Urban Authority and require that suitable and sufficient means of heating and ventilation are provided and maintained in shops and that proper sanitary accommodation is available for the use of the employees.

To ascertain that these requirements are being complied with 360 inspections were made of shops.

As a result of these inspections new water closets were provided in five shops, the heating arrangements were improved in nine shops and the ventilation in two shops.

## Food and Drugs (Adulteration) Act, 1928.

The following table gives particulars of the samples submitted to the Public Analyst during the year :—

| Article                  | Samples Taken |          | Result of Analysis |             | Prosecu-<br>tions |
|--------------------------|---------------|----------|--------------------|-------------|-------------------|
|                          | Formal        | Informal | Genuine            | Adulterated |                   |
| New Milk ... ..          | 21            | —        | 15                 | 6           | 5                 |
| New Milk (Appeal to Cow) | 2             | —        | 2                  | —           | —                 |
| Ground Almonds ... ..    | 1             | —        | 1                  | —           | —                 |
| Honey ... ..             | 1             | —        | 1                  | —           | —                 |
| Mustard Condiment ... .. | 1             | —        | 1                  | —           | —                 |
| Pepper ... ..            | 1             | —        | 1                  | —           | —                 |
| Vinegar ... ..           | 1             | —        | 1                  | —           | —                 |
| Total ... ..             | 28            | —        | 22                 | 6           | 5                 |

Administrative Return of Action taken with regard to samples not reported to be Genuine :—

| Article          | Nature of Adulteration        | Result                   |
|------------------|-------------------------------|--------------------------|
| New Milk No. 61. | 3 per cent. deficient in fat  | Retailer warned          |
| New Milk No. 65. | 15 per cent. deficient in fat | Fined £3 and 14/- costs  |
| New Milk No. 70. | 10 per cent. deficient in fat | Fined £2 and 14/- costs  |
| New Milk No. 71. | 36 per cent. deficient in fat | Fined £5 and 14/- costs  |
| New Milk No. 76. | 22 per cent. added water      | Fined £10 and 14/- costs |
| New Milk No. 77. | 6 per cent. added water       | Fined £3 and 14/- costs  |

The average composition of the genuine samples of milk was: fats 3.44 per cent; non-fatty solids 8.97 per cent.

In addition to the formal samples which were submitted to the Public Analyst, 8 informal samples of milk were obtained and analysed in the Sanitary Inspector's office, four of these were found to be below standard. This informal examination of samples enables a close supervision to be maintained at a minimum of cost.

**Chemical and Bacteriological Examination of Food.** Samples taken under the Food and Drugs (Adulteration) Act are submitted to the Public Analyst for the County of Devon.

Milk Samples for cleanliness and tuberculosis examination are forwarded to the Devon County Council Laboratory at Exeter.

**Public Places of Entertainment.** Periodical inspections have been made of cinemas and other public places of entertainment to ascertain that the lighting, ventilation and sanitary accommodation was satisfactory.

No complaints have been made.

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## Public Cleansing.

The collection of house and trade refuse is carried out by contract under the supervision of the Sanitary Inspector.

For the ordinary collection of house refuse a Thornycroft low-loading motor vehicle fitted with self-closing metal shutters is used and for the collection of trade refuse and to assist with the early morning collection during the season an ordinary lorry provided with a canvas cover is in use.

From dwelling houses the collection is made once each week during the winter and twice each week during the summer, a daily collection being made from the larger hotels and boarding-houses during the season.

The general collection of trade refuse is once each week but from fish shops and certain other premises a daily collection is made.

At isolated premises in the rural parts of the district there are a few earth closets and cesspools, these are cleansed by the occupiers and the contents are used on the land.

There are no ash-pits in the district, all houses being supplied with regulation dustbins.

Periodical inspection is made to ensure that these bins are renewed when necessary, during the year 43 new bins were supplied after notice being given from this department.

**Refuse Disposal.** The house refuse collected consists largely of paper, tins and vegetable refuse but during the past year there has been a very noticeable increase in the cinder and dust content with little or no decrease in the total amount of light combustible material.

House refuse is disposed of by tipping at the Council's depot, which is situated in a deep valley at Killicleave Woods.

The Council grant permission to builders and others to use the tip as a dump for surplus material and as this surplus mainly consists of soil and shale, it is utilised for the covering of the refuse. During the year the following loads were deposited at the tip:—House refuse 1849 loads; other refuse 146 loads; Gulley cleanings 88 loads; Street sweepings 220 loads; Soil, shale and similar material 1551 loads.

The continuance of employment of additional labour has enabled the improvement made in the general condition and working of the tip to be maintained and no complaints were received in 1937.

165 loads of trade refuse were collected and removed to the Council Yard where the firebox of a disused tar distiller is utilised as an incinerator, in addition 204 loads of other light material were brought to the yard and incinerated.

Based on test weighings, the amount of house refuse deposited at the tip was 4,176 tons, 6 cwts., 3 qrs., 20 lbs., and the weight of trade refuse collected and removed to the yard was 245 tons, 2 cwts., 2 qrs.—a total of 4,421 tons, 9 cwts., 1 qr., 20 lbs.

**Street Cleansing.** Sweeping of the streets is carried out by workmen in the employ of the Council, the collection and removal of the sweepings being done by contract.

Large quantities of the sweepings are used on allotments and gardens as a fertiliser, the remainder being dumped at Killicleave tip.

A thoroughly cleansed street surface is important in town hygiene but this is a matter which many persons do not appear to appreciate as it is not uncommon to find garden or other refuse deposited on minor roads and several further cautions have had to be given to tradesmen who have brushed shop sweepings out or allowed the material from packing cases to blow into the roadway.



Riparian Health Authority.

1. Amount of Shipping Entering the Harbour during the year 1937.

TABLE A.

|                             | Number | Tonnage | Number inspected             |                           | Number reported to be defective | Number of vessels on which defects were remedied | Number of vessels reported as having, or having had, during the voyage infectious disease on board |
|-----------------------------|--------|---------|------------------------------|---------------------------|---------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                             |        |         | By Medical Officer of Health | By the Sanitary Inspector |                                 |                                                  |                                                                                                    |
| Foreign — Steamers          | —      | —       | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| *Motors                     | —      | —       | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| Sailing                     | —      | —       | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| Fishing                     | —      | —       | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| Total Foreign               | —      | —       | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| Coastwise—Steamers          | 625    | 89,763  | —                            | 3                         | —                               | —                                                | Nil                                                                                                |
| *Motors                     | 57     | 2,514   | —                            | 14                        | 1                               | 1                                                | Nil                                                                                                |
| Sailing                     | —      | —       | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| Fishing                     | 1      | 37      | —                            | —                         | —                               | —                                                | Nil                                                                                                |
| Total Coastwise             | 683    | 92,314  | —                            | 17                        | 1                               | 1                                                | Nil                                                                                                |
| Total Foreign and Coastwise | 683    | 92,314  | —                            | 17                        | 1                               | 1                                                | Nil                                                                                                |

\* Includes mechanically propelled vessels other than steamers.

## 2. Character of Trade of Port.

TABLE B.

(a) PASSENGER TRAFFIC DURING 1937.

| No. of Passengers |     | 1st Class | 2nd Class | 3rd Class | Transmigrants |
|-------------------|-----|-----------|-----------|-----------|---------------|
| Inwards           | ... | ...       | 97,678    |           | Nil           |
| Outwards          | ... | ...       | 45,282    |           | Nil           |

A full account of the permanent arrangements was given in the Annual Report for the year 1936. No alteration has since been made.

**Shell-fish.** There are no shell-fish beds or layings within the jurisdiction of the Urban Authority.

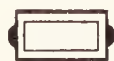
## Petroleum (Consolidation) Act, 1928.

Licences were issued for the storage of petroleum spirit at 55 premises ; the total amount for which these licences were issued was 73,210 gallons.

One licence to store 40 gallons of petroleum-mixture and one licence to store 224 lbs. of carbide of calcium were granted.

The amount of fees received by the Local Authority for the above licences was £36 10s. 0d.

For the purpose of ascertaining that the Act and Regulations were being complied with, 354 visits were paid to petroleum stores and garages.



# Ilfracombe Meteorological Report for 1937.

**Station and Instruments.** The Meteorological Station at Ilfracombe is classified as a Station of the Second Order, the instruments in use are as follows :—

*Barometer.* Kew pattern with attached thermometer.

*Thermometers in Stevenson Screen* :—Maximum, Minimum, Dry Bulb and Wet Bulb.

*Rain Gauge.* Snowdon pattern with 5 inch rim.

*Sunshine Recorder.* Is a Campbell Stokes' pattern, adjusted for latitude and consists of a glass sphere, which brings the sun's rays to a focus on a card mounted in a metal bowl which is approximately spherical in shape. The Sunshine Cards are forwarded to the Meteorological Office at the end of each month for examination and verification.

The annual inspection of the Station was made by Dr. Pepper of the Air Ministry, on the 6th July, 1937, and all the instruments tested and certified.

Records are taken in accordance with the requirements of the Meteorological Office.

Observation are taken at 9 a.m. and 5 p.m. normal time, and 10 a.m. and 6 p.m. during Summer time.

After the evening observations, telegraphic daily reports which contain the amount of sunshine recorded, temperatures, rainfall and any special phenomena are forwarded. During the months April to October inclusive, morning telegrams are forwarded after the morning observations. The information included in these telegrams is placed by the Meteorological Office at the disposal of all newspapers.

*January.* Rather unsettled, temperatures were above average. Mild conditions prevailed from 1st to the 14th, and again from the 18th to 22nd. Sunshine showed a slight deficiency. Rainfall exceeded average, the greater amount being recorded during the night period (5 p.m. to 9 a.m. the following day).

*February.* Distinguished by an unusual amount of rainfall, more than twice the average was recorded. Temperatures were above average but sunshine was slightly below. The beginning of the month was moderately dry and sunny.

*March.* Temperatures and sunshine above the average with a mild period from the 16th to the 31st. During the last few days an average of 10 hours sunshine was recorded. Rainfall was slightly in excess of average.

*April.* An exceptional deficiency of sunshine with the marked excess of rainfall were the main notes during the month. The first two weeks of the month were moderately wet during the day, with heavy rainfall by night. The latter part of the month was sunny and mild. Temperatures were above average.

*May.* Dry and sunny. Temperatures and sunshine above average, 229.4 hours of sunshine being recorded, an average of 7.4 hours per day. Rainfall slight, the amount registered being only 45.1 millimetres (1.78 inches).

*June.* There were considerable periods of sunshine with an exceptionally low rainfall.

*July.* Temperatures were above average but sunshine was remarkably low. Rainfall was less than normal.

*August.* August was the sunniest month of the year, there being 242.7 hours of bright sunshine, the highest figure recorded for this month since 1909. Rainfall was 0.98 inches the smallest since 1932 when 0.85 was recorded.

*September.* The weather during this month was variable. The early days being fair and sunny, a small amount of rain was recorded during most nights. Sunshine, temperatures and rainfall were all above average.

*October.* Unusually dry from the 1st to the 20th, unsettled after this period. Temperature and sunshine exceeded average. Rainfall was below average.

*November.* Unsettled throughout the month. Mild periods between 1st and 15th and again from the 20th to the 28th. Temperatures, sunshine and rainfall were all below average.

*December.* Marked by the number of days on which passing showers were recorded. December rainfall was slightly above average. Sunshine and temperatures were below average.

### **General Notes for Year.**

The day with the highest mean temperature of the air was the 3rd July and the value for that day was 68 degrees.

The day with the lowest mean temperature was the 29th January and the value for that day was 32.5 degrees.

The greatest range of temperature in the Screen upon any one day was 19 degrees on the 10th March, and the lowest range 2 degrees on the 1st January.

The average amount of cloud at morning observations taking "0" as clear sky and "10" as overcast sky, was 6.83.

Freezing point was reached in the Screen on only three days and on the grass seven days. At morning observations hail was only recorded on three occasions, and snow on seven. No thunder, fogs or gales were recorded.

Over a period of years, **comparison with other districts proves that Ilfracombe has a Winter climate unequalled in the United Kingdom.**

**Rainfall on Watersheds.** At Challacombe, Exmoor, where the watershed and intakes for the Ilfracombe water supply are situated, the total rainfall for the year was 64.23 inches which fell on 221 days. The total rainfall for the year at the Slade Waterworks was 45.49 inches which fell on 197 days.



BRIGHT SUNSHINE.

| 1937      | Daily mean | Total hours | Above or below average |           | Most in one day |        | Days    |                     | No. of days with duration |                  |                  |                  |                   |    |    |
|-----------|------------|-------------|------------------------|-----------|-----------------|--------|---------|---------------------|---------------------------|------------------|------------------|------------------|-------------------|----|----|
|           |            |             | 25 years Average       | Last year | Hours           | Days   | Sunless | On which registered | 0.1 to 2.0 hours          | 2.1 to 4.0 hours | 4.1 to 6.0 hours | 6.1 to 8.0 hours | 8.1 or more hours |    |    |
|           |            |             |                        |           |                 |        |         |                     |                           |                  |                  |                  |                   |    |    |
| January   | ...        | ...         | 1.01                   | 31.4      | -0.37           | -0.06  | 4.6     | 27th                | 15                        | 16               | 10               | 5                | 1                 | 0  | 0  |
| February  | ...        | ...         | 1.70                   | 47.7      | -0.48           | -0.43  | 7.0     | 23rd                | 13                        | 15               | 6                | 2                | 5                 | 2  | 0  |
| March     | ...        | ...         | 4.25                   | 131.6     | *0.40           | *0.73  | 10.7    | 28th                | 5                         | 26               | 8                | 3                | 3                 | 6  | 6  |
| April     | ...        | ...         | 4.04                   | 121.1     | -0.49           | -1.85  | 12.5    | 18th                | 7                         | 23               | 6                | 5                | 3                 | 3  | 6  |
| May       | ...        | ...         | 7.40                   | 229.4     | *0.85           | *0.52  | 13.8    | 31st                | 2                         | 29               | 2                | 4                | 3                 | 6  | 14 |
| June      | ...        | ...         | 7.34                   | 220.2     | -0.02           | *1.66  | 14.8    | 21st                | 2                         | 28               | 3                | 1                | 7                 | 1  | 16 |
| July      | ...        | ...         | 4.74                   | 146.8     | *1.93           | -0.22  | 12.8    | 31st                | 3                         | 28               | 10               | 4                | 6                 | 5  | 3  |
| August    | ...        | ...         | 7.83                   | 242.6     | *2.20           | *1.48  | 13.7    | 2nd                 | 0                         | 31               | 4                | 2                | 3                 | 4  | 18 |
| September | ...        | ...         | 5.13                   | 163.1     | *0.29           | *1.11  | 9.7     | 26th                | 4                         | 26               | 4                | 3                | 6                 | 4  | 9  |
| October   | ...        | ...         | 3.37                   | 104.4     | *0.17           | *0.14  | 9.5     | 4th                 | 7                         | 24               | 7                | 7                | 2                 | 4  | 4  |
| November  | ...        | ...         | 2.46                   | 73.9      | *0.55           | *1.30  | 8.4     | 2nd                 | 12                        | 18               | 7                | 2                | 3                 | 5  | 1  |
| December  | ...        | ...         | 1.16                   | 36.1      | -0.07           | -0.05  | 6.7     | 16th                | 14                        | 17               | 10               | 5                | 1                 | 1  | 0  |
| Year      | ...        | ...         | 4.225                  | 1548.4    | *0.092          | *0.397 | 14.8    | June 21st           | 84                        | 281              | 77               | 43               | 43                | 41 | 77 |

\* Signifies plus.

TEMPERATURES.

| AIR TEMPERATURES |      |          |      |      |       |      |             |                                      |           | Earth Means |        |        | ABSOLUTE EXTREMES |                  |             |                   |             |           |              |          |                   |            |     |  |
|------------------|------|----------|------|------|-------|------|-------------|--------------------------------------|-----------|-------------|--------|--------|-------------------|------------------|-------------|-------------------|-------------|-----------|--------------|----------|-------------------|------------|-----|--|
|                  |      |          |      |      | Means |      |             | Deviation from Average and Last Year |           |             |        |        |                   |                  |             |                   |             |           |              |          |                   |            |     |  |
| Dry Bulb         |      | Wet Bulb |      |      |       |      |             |                                      |           |             |        |        |                   |                  |             |                   |             |           |              |          |                   |            |     |  |
| 9 a.m.           |      | 9 a.m.   |      | Max. | Min.  | Mean | Daily Range | 25 years Average                     | Last Year | Grass Min.  | 1 foot | 4 feet | Highest Max.      | Day              | Lowest Min. | Day               | Lowest Max. | Day       | Highest Min. | Day      | Lowest Grass Min. | Day        | Day |  |
| 1937             |      |          |      |      |       |      |             |                                      |           |             |        |        |                   |                  |             |                   |             |           |              |          |                   |            |     |  |
| January          | 45.3 | 41.8     | 49.8 | 41.6 | 45.7  | 8.2  | 8.2         | *2.0                                 | *1.8      | 40.0        | 44.6   | 44.8   | 56                | 21st             | 29          | 30th              | 35          | 29th      | 49           | 1st      | 29                | 30th       |     |  |
| February         | 46.3 | 44.4     | 50.4 | 42.6 | 46.5  | 7.8  | 7.8         | *3.3                                 | *5.5      | 40.8        | 44.9   | 47.5   | 56                | 15th             | 35          | 12th              | 44          | 28th      | 49           | 3rd      | 32                | 28th       |     |  |
| March            | 42.3 | 39.1     | 47.4 | 37.2 | 42.3  | 10.2 | 10.2        | -2.6                                 | -4.8      | 35.2        | 42.5   | 46.8   | 55                | 18th             | 29          | 10th              | 39          | 8th       | 45           | 18th     | 25                | 10th       |     |  |
| April            | 49.8 | 46.1     | 54.4 | 46.3 | 50.3  | 8.1  | 8.1         | *2.6                                 | *4.6      | 45.3        | 50.7   | 49.3   | 60                | 28th             | 42          | 30th              | 50          | 17th      | 51           | 7th      | 40                | 3rd        |     |  |
| May              | 54.4 | 51.3     | 59.7 | 49.6 | 54.7  | 10.1 | 10.1        | *1.4                                 | *1.0      | 48.03       | 57.6   | 54.4   | 73                | 29th             | 44          | 1st               | 53          | 1st       | 59           | 29th     | 42                | 17th       |     |  |
| June             | 57.9 | 54.4     | 63.2 | 54.4 | 58.8  | 8.8  | 8.8         | *1.2                                 | *0.7      | 50.3        | 63.0   | 58.6   | 69                | 11th             | 49          | 3rd               | 57          | 2nd       | 57           | 14th     | 48                | 3rd        |     |  |
| July             | 60.5 | 57.8     | 65.9 | 56.2 | 61.6  | 9.7  | 9.7         | *0.2                                 | *1.5      | 55.9        | 63.7   | 60.6   | 75                | 14th             | 50          | 28th              | 59          | 4th       | 63           | 3rd      | 49                | 28th       |     |  |
| August           | 63.3 | 55.7     | 68.5 | 58.0 | 63.3  | 10.5 | 10.5        | *1.8                                 | *1.5      | 57.3        | 66.2   | 62.5   | 75                | 1st              | 55          | 29th              | 64          | 15th      | 62           | 13th     | 53                | 28th       |     |  |
| September        | 59.0 | 55.7     | 64.2 | 53.8 | 59.9  | 10.6 | 10.6        | *1.0                                 | -0.4      | 52.9        | 59.4   | 61.8   | 74                | 6th              | 37          | 21st              | 59          | 13th      | 62           | 1st      | 47                | 12th       |     |  |
| October          | 55.1 | 51.3     | 58.3 | 49.4 | 53.9  | 8.9  | 8.9         | 0.0                                  | *0.7      | 48.1        | 55.4   | 58.7   | 65                | 18th             | 40          | 20th              | 53          | 27th      | 58           | 1st      | 36                | 20th       |     |  |
| November         | 47.1 | 44.8     | 50.9 | 42.1 | 46.5  | 8.8  | 8.8         | -1.7                                 | -0.3      | 40.3        | 47.0   | 53.6   | 69                | 3rd              | 32          | 14th              | 43          | 26th      | 49           | 8th      | 30                | 14th       |     |  |
| December         | 43.0 | 40.6     | 46.7 | 39.5 | 43.1  | 6.2  | 6.2         | -2.0                                 | -3.7      | 37.7        | 43.1   | 48.8   | 55                | 25th             | 30          | 10th              | 43          | 9th       | 49           | 23rd     | 26                | 10th       |     |  |
| Year             | 52.0 | 48.5     | 56.6 | 47.6 | 52.2  | 8.99 | 8.99        | *0.6                                 | *0.685    | 46.1        | 51.5   | 53.95  | 75                | July 14 & Aug. 1 | 29          | Mar. 10 & Jan. 30 | 35          | Jan. 29th | 63           | July 3rd | 25                | March 10th |     |  |

\* Signifies plus.

| 1937      |     | RAINFALL       |             |                           |             |                            | Relative humidity | Vapour Pressure | Cloud at 9 a.m. | WIND FORCES.                       |               |               |      |                        |  |
|-----------|-----|----------------|-------------|---------------------------|-------------|----------------------------|-------------------|-----------------|-----------------|------------------------------------|---------------|---------------|------|------------------------|--|
|           |     | Normal average | Total depth | Greatest fall in 24 hours |             | Wet days<br>1 m.m. or more |                   |                 |                 | Observation taken at 9 a.m. G.M.T. |               |               |      |                        |  |
|           |     |                |             | Fall                      | Day         |                            |                   |                 |                 | Forces<br>8 or<br>more             | Forces<br>4-7 | Forces<br>1-3 | Calm | Mean<br>Daily<br>Force |  |
|           |     | m.m.           | m.m.        | m.m.                      | Date        | Days                       | %                 | deg.            | 1-10            |                                    |               |               |      |                        |  |
| January   | ... | 81             | 145.8       | 18.1                      | 17th        | 22                         | 82.0              | 8.65            | 7.40            | 0                                  | 6             | 24            | 1    | 2.35                   |  |
| February  | ... | 67             | 174.6       | 24.8                      | 2nd         | 22                         | 84.2              | 9.08            | 8.20            | 0                                  | 5             | 23            | 0    | 2.50                   |  |
| March     | ... | 60             | 87.9        | 11.0                      | 13th        | 16                         | 77.0              | 7.07            | 7.26            | 0                                  | 5             | 25            | 1    | 2.32                   |  |
| April     | ... | 61             | 88.1        | 16.8                      | 10th        | 11                         | 86.6              | 10.06           | 6.80            | 0                                  | 3             | 25            | 2    | 2.06                   |  |
| May       | ... | 50             | 45.1        | 12.1                      | 11th        | 9                          | 81.0              | 11.64           | 5.74            | 0                                  | 0             | 29            | 2    | 1.71                   |  |
| June      | ... | 53             | 22.7        | 10.5                      | 8th         | 6                          | 78.8              | 12.86           | 6.20            | 0                                  | 3             | 25            | 2    | 2.26                   |  |
| July      | ... | 62             | 60.4        | 21.4                      | 11th        | 13                         | 83.0              | 15.10           | 7.70            | 0                                  | 3             | 27            | 1    | 2.26                   |  |
| August    | ... | 88             | 25.0        | 8.6                       | 16th        | 3                          | 83.6              | 16.50           | 5.10            | 0                                  | 0             | 23            | 8    | 1.51                   |  |
| September | ... | 66             | 87.6        | 18.1                      | 9th         | 14                         | 80.2              | 13.78           | 6.37            | 0                                  | 6             | 20            | 4    | 2.30                   |  |
| October   | ... | 112            | 77.6        | 23.6                      | 27th        | 11                         | 71.3              | 11.33           | 6.30            | 0                                  | 2             | 24            | 5    | 1.90                   |  |
| November  | ... | 96             | 39.6        | 11.2                      | 29th        | 5                          | 81.4              | 9.21            | 7.30            | 0                                  | 2             | 26            | 2    | 1.70                   |  |
| December  | ... | 118            | 97.1        | 18.8                      | 10th        | 13                         | 80.1              | 7.59            | 7.68            | 0                                  | 4             | 27            | 0    | 2.32                   |  |
| Year      | ... | 914            | 951.5       | 24.8                      | Feb.<br>2nd | 146                        | 80.7              | 11.07           | 6.83            | 0                                  | 39            | 298           | 28   | 1.96                   |  |



